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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:

GANTHER JR., Kenneth

Serial No.: 10/789,787

Filed: 02/27/2004

SYSTEM HAVING UNMODULATED
FLUX LOCKED LOOP FOR MEASURING
MAGNETIC FIELDS

Docket No. 34521

Group Art Unit No. 2895

Confirmation No. 9445

Examiner: LEDYNH, Bot

Commissioner for Patents
Mailstop Amendment
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT

In response to the Office Action dated June 15, 2005, Applicant respectfully requests amendment and reconsideration of the above-identified application.

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims, which begins on page 4 of this paper.

Remarks begin on page 12 of this paper.

Application No. 10/789,787
Amendment dated September 12, 2005
Reply to Office Action of June 15, 2005

of claim 16 discussed in the preceding paragraph. However, claim 18 should remain allowable if rewritten in independent form.

Conclusion

The Examiner's combination of Ganther and Hirano fails to disclose or suggest various currently claimed features of the present invention, including, for example, a FLL operable for location in a non-cryogenic environment and an unmodulated FLL including only linear componentry.

Thus, Applicant respectfully submits that claims 1, 3-7, and 9-21 are in allowable condition and requests a corresponding Notice of Allowance. In the event of further questions, the Examiner is urged to call the undersigned. Any additional fee which might be due in connection with this application should be applied against our Deposit Account No. 19-0522.

Respectfully submitted,

HOVEY WILLIAMS LLP

BY: 

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ATTORNEYS FOR APPLICANT

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PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875 Effective December 8, 2004

Application or Docket Number

10/789787

APPLICATION AS FILED - PART I

(Column 1)

(Column 2)

SMALL ENTITY

OR

OTHER THAN
SMALL ENTITY

| FOR | NUMBER FILED | NUMBER EXTRA |
|---|---|--------------|
| BASIC FEE (37 CFR 1.18(a), (b), or (c)) | N/A | N/A |
| SEARCH FEE (37 CFR 1.18(N), (i), or (m)) | N/A | N/A |
| EXAMINATION FEE (37 CFR 1.18(e), (p), or (q)) | N/A | N/A |
| TOTAL CLAIMS (37 CFR 1.16(i)) | minus 20 = | |
| INDEPENDENT CLAIMS (37 CFR 1.16(h)) | minus 3 = | |
| APPLICATION SIZE FEE (37 CFR 1.16(s)) | If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). | |
| MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j)) | | |

| RATE (\$) | FEE (\$) |
|-----------|----------|
| N/A | 150.00 |
| N/A | \$250 |
| N/A | \$100 |
| X\$ 25 | |
| X100 | |
| +180= | |
| TOTAL | |

| RATE (\$) | FEE (\$) |
|-----------|----------|
| N/A | 300.00 |
| N/A | \$500 |
| N/A | \$200 |
| X\$50 | |
| X200 | |
| +360= | |
| TOTAL | |

* If the difference in column 1 is less than zero, enter "0" in column 2.

APPLICATION AS AMENDED - PART II

(Column 1)

(Column 2)

(Column 3)

SMALL ENTITY

OR

OTHER THAN
SMALL ENTITY

| AMENDMENT A | CLAIMS REMAINING AFTER AMENDMENT | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA |
|---|----------------------------------|------------------------------------|---------------|
| 9/13/05 | | | |
| Total (37 CFR 1.16(i)) | 19 | 20 | |
| Independent (37 CFR 1.16(h)) | 4 | 3 | 1 |
| Application Size Fee (37 CFR 1.16(s)) | | | |
| FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j)) | | | |

| RATE (\$) | ADDITIONAL FEE (\$) |
|-----------------|---------------------|
| X\$ 25 | |
| X100 | |
| +180= | |
| TOTAL ADD'L FEE | |

| RATE (\$) | ADDITIONAL FEE (\$) |
|-----------------|---------------------|
| X\$50 | |
| X200 | |
| +360= | |
| TOTAL ADD'L FEE | |

(Column 1)

(Column 2)

(Column 3)

| AMENDMENT B | CLAIMS REMAINING AFTER AMENDMENT | HIGHEST NUMBER PREVIOUSLY PAID FOR | PRESENT EXTRA |
|---|----------------------------------|------------------------------------|---------------|
| | | | |
| Total (37 CFR 1.16(i)) | | | |
| Independent (37 CFR 1.16(h)) | | | |
| Application Size Fee (37 CFR 1.16(s)) | | | |
| FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j)) | | | |

| RATE (\$) | ADDITIONAL FEE (\$) |
|-----------------|---------------------|
| X\$ 25 | |
| X100 | |
| +180= | |
| TOTAL ADD'L FEE | |

| RATE (\$) | ADDITIONAL FEE (\$) |
|-----------------|---------------------|
| X\$50 | |
| X200 | |
| +360= | |
| TOTAL ADD'L FEE | |

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

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